

# H5F\_FLUSH

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# H5F\_FLUSH

Flushes all buffers associated with a file to disk

## Procedure:

H5F\_FLUSH(object\_id, scope)

## Signature:

```
herr_t H5fflush(hid_t object_id, H5F_scope_t scope )
```

```
SUBROUTINE h5fflush_f(obj_id, scope, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN)  :: obj_id      ! Object identifier
  INTEGER, INTENT(IN)        :: scope       ! Flag with two possible values:
                                           !     H5F_SCOPE_GLOBAL_F
                                           !     H5F_SCOPE_LOCAL_F
  INTEGER, INTENT(OUT)       :: hdferr      ! Error code
                                           ! 0 on success and -1 on failure
END SUBROUTINE h5fflush_f
```

## Parameters:

<i>hid_t</i> object_id	IN: Identifier of object used to identify the file; may be a file, group, dataset, named datatype or attribute
<i>H5F_scope_t</i> scope	IN: Specifies the scope of the flushing action

**Description:**

H5F\_FLUSH causes all buffers associated with a file to be immediately flushed to disk without removing the data from the cache.

`object_id` can be any object associated with the file, including the file itself, a dataset, a group, an attribute, or a named datatype.

`scope` specifies whether the scope of the flushing action is global or local. Valid values are as follows:

H5F_SCOPE_GLOBAL	Flushes the entire virtual file
H5F_SCOPE_LOCAL	Flushes only the specified file

HDF5 does not possess full control over buffering. H5F\_FLUSH flushes the internal HDF5 buffers then asks the operating system (the OS) to flush the system buffers for the open files. After that, the OS is responsible for ensuring that the data is actually flushed to disk.

**Returns:**

Returns a non-negative value if successful; otherwise returns a negative value.

**Example:**

See the [dsets.c](#) (C) and [fflush1.f90](#) (FORTRAN) tests in the HDF5 source code.

--- Last Modified: May 17, 2018 | 03:58 PM